

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2009-06-30  
**Date of Last Change to Activities:** 2012-02-27  
**Investment Auto Submission Date:** 2012-02-27  
**Date of Last Investment Detail Update:** 2012-02-27  
**Date of Last Exhibit 300A Update:** 2012-02-27  
**Date of Last Revision:** 2012-02-27

**Agency:** 009 - Department of Health and Human Services      **Bureau:** 25 - National Institutes of Health

**Investment Part Code:** 04

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** NIH OD Electronic Research Administration (eRA)

**2. Unique Investment Identifier (Ull):** 009-000001410

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The Electronic Research Administration (eRA) is a system supporting life cycle management of extramural research grants for NIH and other agencies. eRA is essential for NIH to meet a vital mission: the support of cutting-edge biomedical research via grants to scientists at universities and other research institutions. In FY 2010 NIH funded \$31.2 billion in extramural grants and administered 69,993 extramural awards. Over 4,660 HHS staff, 12,500 research organizations, and 225,000 external users depend on eRA daily, now evolving from a paper-based to an electronic system to handle the growing workload and increased accountability required. Renewed impetus stems from PL106-107 and its mandate to streamline federal financial assistance and expand the use of electronic systems to enhance public access. Supporting 24 NIH Institutes & Centers, as well as four HHS divisions (AHRQ, CDC, FDA, and SAMHSA), eRA provides electronic access to grant applications and awards, progress reports, principal investigator data, and various financial and evaluation reports. Outside scientific reviewers acquire applications and file evaluations online. eRA annually yields millions of dollars in labor, material, and space savings compared to the prior, paper-based systems. Acknowledging eRA's proven record and future potential as a shared service provider for agencies managing health-related discretionary grants programs, OMB named eRA an acceptable alternative to the three Grants Management Line-of-Business consortia leads. eRA leadership has guided major changes in organizational structure and

business practice to better address the expectations of its diverse customer and stakeholder base. A mixed life cycle investment, eRA has had an ongoing DME component to complete the planned end-to-end processing of extramural research grants and to modernize the grant management system. There are still some existing systems using older information technology that require modernization. Responding to new Administration policies, Enterprise Architecture mandates, and upgraded grant management business practices is equally challenging.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

eRA supports 24 NIH Institutes & Centers, as well as four HHS divisions (AHRQ, CDC, FDA, and SAMHSA), providing electronic access to grant applications and awards, progress reports, principal investigator data, and various financial and evaluation reports. Outside scientific reviewers acquire applications and file evaluations online. If eRA is not fully funded there would be a degradation to the level of support provided in the operations and maintenance of IMPAC II and Commons, response to policy and legislative changes would be severely impacted or not supported within eRA. And grants processing and administration done by HHS OpDivs would be done slower, less efficient and at a higher cost than it is done with eRA.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

During fiscal year 2011 (BY) the following accomplishments were achieved: (1) Major database upgrade (from Oracle Version 9 to Oracle Version 11), (2) Major Operating System upgrade (from Solaris Version 9 to Solaris Version 10), (3) Major eRA Network Infrastructure upgrade (BigIP Version 9 to BigIP Version 10), (4) Grants.gov Forms change, (5) Support for Federal Progress Report, (6) Changes to accommodate FCOI, (7) Preliminary work for Federal Register.

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

Due to reduced funding, eRA will primarily provide steady state support of the IMPAC II and Commons environments and modules during fiscal year 2012 (CY). Additionally, eRA will provide required DME activities for those system changes mandated by legislation and policy changes. The extent of these changes will be based on the funding provided by eRA governance body. eRA plans on providing steady state activities during fiscal year 2013 (BY) and investigate the appropriateness and practicality of utilizing cloud computing.

**5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and**

**Contract Specialist must be Government Employees.**

1995-07-01

## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$42.0	\$0.4	\$0.4	\$0.4
DME (Excluding Planning) Costs:	\$155.0	\$3.3	\$2.1	\$0.0
DME (Including Planning) Govt. FTEs:	\$35.4	\$1.7	\$1.7	\$1.7
Sub-Total DME (Including Govt. FTE):	\$232.4	\$5.4	\$4.2	\$2.1
O & M Costs:	\$212.9	\$24.6	\$25.9	\$26.1
O & M Govt. FTEs:	\$62.9	\$6.7	\$6.7	\$7.7
Sub-Total O & M Costs (Including Govt. FTE):	\$275.8	\$31.3	\$32.6	\$33.8
Total Cost (Including Govt. FTE):	\$508.2	\$36.7	\$36.8	\$35.9
Total Govt. FTE costs:	\$98.3	\$8.4	\$8.4	\$9.4
# of FTE rep by costs:	261	63	63	63
Total change from prior year final President's Budget (\$)		\$-5.6	\$-4.1	
Total change from prior year final President's Budget (%)		-13.17%	-10.04%	

**2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:**

The FY2012 budget request identified the funding eRA requested from NIH governance. The difference is the reduced amount NIH funded eRA and the budget requested.

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	2762	HHSN276200700218U	GS35F0239K	4730							
Awarded	2762	HHSN276200800320U	GS35F5355H	4730							
Awarded	2762	HHSN276200800004C	NOT AVAIL	4730							
Awarded	2762	HHSN276200900001C	NOT AVAIL	4730							
Awarded	2762	HHSN276200900202U	GS10F0090P	4730							
Awarded	2762	HHSN276200900245U	GS35F0438S	4730							

**2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:**

N/A

## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2012-02-27

### Section B: Project Execution Data

**Table II.B.1 Projects**

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
282597	eRA - Electronic Intake of Type 3s and Type 7s	Transitioning the Type 3s ( Administrative Supplements) and Type 7s (Change of Institute Request) from a paper submission process to a fully electronic process.			
282741	eRA - Accommodate Mandated FCOI Changes	The goal of this project is to implement changes to the FCOI module within the commons application, which have been mandated.			
283086	eRA - Receipt and Referral Re-Engineering	The objective of the R&R Re-Engineering project is to produce a single robust Receipt and Referral system.			
283087	eRA - Electronic Application Processing Updates	The goal of this project is to develop and implement support, within the eSubmission system, for the latest SF424 (R&R) OMB-cleared forms available through Grants.gov. In addition, eRA will implement the form needed to support 30 rather than 10 subaward budget attachments.			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
283088	eRA - Research Performance Progress Report (RPPR)	OMB has mandated that agencies within the federal government use a federal-wide research performance progress report (RPPR) for submission of required annual or other interim performance reporting on grants and cooperative agreement awards. The goal of this project is to implement this mandate.			
283101	eRA - Mandatory and Anticipated Mandated System Changes	This project addresses the changes that the Electronic Research Administration (eRA) must make to its systems in order for the NIH extramural grant systems to be in compliance with federal and agency directives and scientific policy, including requirements from Congress, the Department of Health and Human Services (DHHS), the Office of Management and Budget (OMB), and the NIH Director.			
285382	eRA - Improve Commons Personal Profile Usability	This project will implement the recommendations of the 2009 Commons personal profile usability study to fulfill the need to improve usability and data collection, completeness, and quality, and to comply with the NIH Reform Act of 2006.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
282597	eRA - Electronic Intake of Type 3s and Type 7s							



## Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
282741	eRA - Accommodate Mandated FCOI Changes							
283086	eRA - Receipt and Referral Re-Engineering							
283087	eRA - Electronic Application Processing Updates							
283088	eRA - Research Performance Progress Report (RPPR)							
283101	eRA - Mandatory and Anticipated Mandated System Changes							
285382	eRA - Improve Commons Personal Profile Usability							

## Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
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NONE

## Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
A subjective measurement of users' level of satisfaction with the manner in which the system fulfills its intended purpose (features, capabilities, work offered by the system)	Mean of total survey responses	Customer Results - Customer Benefit	Over target	3.500000	3.530000		3.550000	Semi-Annual
A subjective measurement of users' perceived satisfaction with how responsive (fast) the system serves information requests.	Mean of total survey responses	Customer Results - Timeliness and Responsiveness	Over target	3.500000	3.530000		3.550000	Semi-Annual
The ratio of throughput to system capacity (within measurement period)	Throughput / System capacity	Process and Activities - Productivity	Under target	1.000000	1.000000		1.000000	Quarterly
The number of voluntary contractor resource turnovers per year	Number of contract staff / voluntary departures	Mission and Business Results - Services for Citizens	Under target	10.000000	9.000000		8.000000	Semi-Annual
The average time taken to restore a system back to service after an incident occurs	Duration÷Total number of incidents	Technology - Reliability and Availability	Under target	5.250000	5.125000		5.100000	Monthly
The subjective measure of the system admin and technical support staff's level of perceived burden associated with	Mean of total survey responses	Technology - Efficiency	Over target	3.500000	3.530000		3.550000	Semi-Annual

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
performing software maintenance or upgrade activities								